



## SEQUENCE LISTING

<110> Max-Delbrück-Centrum für Molekulare Medizin

<120> Agents for treating human illness based on  $\beta$ -catenin,  
and the production and use thereof

<130> 0107-028A

<140> 09/641,104

<141> August 17, 2000

<150> DE 198 07 390.9

<151> 1998-02-21

<150> PCT/DE99/00554

<151> 1999-02-22

<160> 12

<170> PatentIn Ver. 2.1

<210> 1

<211> 24

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Peptide from  
LEF-1

<400> 1

Gly Asp Pro Glu Leu Cys Ala Thr Asp Glu Met Ile Pro Phe Lys Asp  
1            5            10            15

Glu Gly Asp Pro Gln Lys Glu Lys  
20

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<210> 2  
<211> 14  
<212> PRT  
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<220>  
<223> Description of Artificial Sequence: Peptide from  
LEF-1

<400> 2  
Glu Leu Cys Ala Thr Asp Glu Met Ile Pro Phe Lys Asp Glu  
1 5 10

<210> 3  
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<220>  
<223> Description of Artificial Sequence: Peptide from  
TCF-4

<400> 3  
Gly Gly Asp Asp Leu Gly Ala Asn Asp Glu Leu Ile Ser Phe Lys Asp  
1 5 10 15

Glu Gly Glu Gln Glu Glu Lys  
20

<210> 4  
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<223> Description of Artificial Sequence: Peptide from

TCF-4

<400> 4

Asp Leu Gly Ala Asn Asp Glu Leu Ile Ser Phe Lys Asp Glu

1 5 10

<210> 5

<211> 16

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence:

Antennapediapeptide

<400> 5

Arg Gln Ile Glu Ile Trp Phe Gln Asn Arg Arg Met Glu Trp Glu Glu

1 5 10 15

<210> 6

<211> 41

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Armadillo

repeat 3 of human  $\beta$ -catenin

<400> 6

His Arg Glu Gly Leu Leu Ala Ile Phe Lys Ser Gly Gly Ile Pro Ala

1 5 10 15

Leu Val Lys Met Leu Gly Ser Pro Val Asp Ser Val Leu Phe Tyr Ala

20 25 30

Ile Thr Thr Leu His Asn Leu Leu Leu

<210> 7

<211> 41

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Armadillo  
repeat 4 of human  $\beta$ -catenin

<400> 7

His Gln Glu Gly Ala Met Ala Val Arg Leu Ala Gly Gly Leu Gln Lys  
1            5            10            15

Met Val Ala Leu Leu Asn Lys Thr Asn Val Lys Phe Leu Ala Ile Thr  
          20            25            30

Thr Asp Cys Leu Gln Ile Leu Ala Tyr  
          35            40

<210> 8

<211> 43

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Armadillo  
repeat 5 of human  $\beta$ -catenin

<400> 8

Gly Asn Gln Glu Ser Lys Leu Ile Ile Leu Ala Ser Gly Gly Pro Gln  
1            5            10            15

Ala Leu Val Asn Ile Met Arg Thr Tyr Thr Tyr Glu Lys Leu Leu Trp  
          20            25            30

Thr Thr Ser Arg Val Leu Lys Val Leu Ser Val  
35 40

<210> 9

<211> 41

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Armadillo  
repeat 6 of human  $\beta$ -catenin

<400> 9

Cys Ser Ser Asn Lys Pro Ala Ile Val Glu Ala Gly Gly Met Gln Ala  
1 5 10 15

Leu Gly Leu His Leu Thr Asp Pro Ser Gln Arg Leu Val Gln Asn Cys  
20 25 30

Leu Trp Thr Leu Arg Asn Leu Ser Asp  
35 40

<210> 10

<211> 39

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Armadillo  
repeat 7 of human  $\beta$ -catenin

<400> 10

Ala Ala Thr Lys Gln Glu Gly Met Glu Gly Leu Leu Gly Thr Leu Val  
1 5 10 15

Gln Leu Leu Gly Ser Asp Asp Ile Asn Val Val Thr Cys Ala Ala Gly

20

25

30

Ile Leu Ser Asn Leu Thr Cys  
35

<210> 11

<211> 44

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Armadillo  
repeat 8 of human  $\beta$ -catenin

<400> 11

Asn Asn Tyr Lys Asn Lys Met Met Val Cys Gln Val Gly Gly Ile Glu  
1 5 10 15

Ala Leu Val Arg Thr Val Leu Arg Ala Gly Asp Arg Glu Asp Ile Thr  
20 25 30

Glu Pro Ala Ile Cys Ala Leu Arg His Leu Thr Ser  
35 40

<210> 12

<211> 46

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Armadillo  
repeat 9 of human  $\beta$ -catenin

<400> 12

Arg His Gln Glu Ala Glu Met Ala Gln Asn Ala Val Arg Leu His Tyr  
1 5 10 15

Gly Leu Pro Val Val Val Lys Leu Leu His Pro Pro Ser His Trp Pro  
20 25 30

Leu Ile Lys Ala Thr Val Gly Leu Ile Arg Asn Leu Ala Leu  
35 40 45